CLAIMS

What is claimed is:

- 1. Process for forming a bonded pair of substrates comprising the steps of applying a thin coating of heat-curable, photopatternable epoxy polymer composition to a lower substrate; drying coating to form a semi-solid adhesive photoexposing said semi-solid adhesive layer, and developing passageways through mask therethrough, to form a patterned adhesive epoxy layer; pressing said patterned adhesive layer and supporting lower substrate against the surface of an upper substrate to bond said adhesive layer to substrates and form а bonded pair substrates.
- 2. Process of claim 1 wherein one of the two substrates is a microelectronic wafer containing multiple die sites, each die of which contains electronic circuitry.
- 3.Process of claim 2 wherein the bonded pair of substrates is subsequently singulated into individual microfluidic devices.
- 4. Process of claim 3 in which the microfluidic device is a die module for a thermal ink jet printhead.